

Recombinant Human IRAK3, GST-tagged

Cat. No. IRAK3-7003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human IRAK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	IRAK3 or interleukin-1 receptor-associated kinase 3 is a member of the interleukin-1 receptor-associated kinase protein family which is essential components of the Toll/IL-R immune signal transduction pathways. IRAK3 is primarily expressed in monocytes and macrophages and functions as a negative regulator of Toll-like receptor signaling. IRAKM mediates critical aspects of innate immunity that result in an immunocompromised state during sepsis. Mutations in IRAK3 are associated with a susceptibility to asthma.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~96 kDa
Purity	>80%
Applications	Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	IRAK3 interleukin-1 receptor-associated kinase 3 [Homo sapiens]
Official Symbol	IRAK3
Synonyms	IRAK3; interleukin-1 receptor-associated kinase 3; IRAK M; IL-1 receptor-associated kinase M; ASRT5; IRAKM; FLJ13601;
Gene ID	11213
mRNA Refseq	NM_001142523
Protein Refseq	NP_001135995
MIM	604459
UniProt ID	Q9Y616
Chromosome Location	12q13.13
Pathway	Activated TLR4 signalling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

organism-specific biosystem;

Function

ATP binding; magnesium ion binding; nucleotide binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein serine/threonine kinase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA